CLUSTERFIT

GROUP 43

GROUP MEMBERS

RAHUL AJITH

MOHAMMAD KAIF

HARSHIT RAJ

SHUBHAM SHARMA

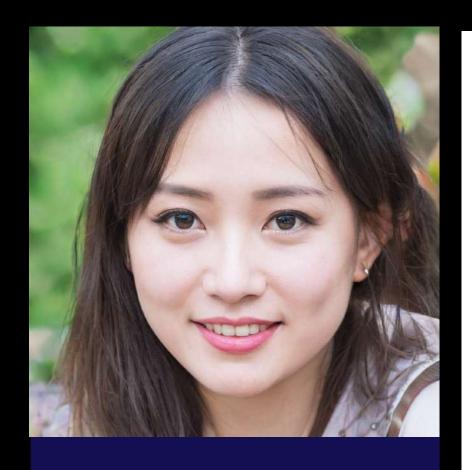
PROBLEM STATEMENT

CLUSTERFIT TACKLES THE PROBLEMS USERS FACE WHEN THEY WANT TO VIEW THEIR PERFORMANCE DATA AND ITS ANALYSIS THAT ARE COLLECTED BY MULTIPLE FITNESS DEVICES. USERS ARE FORCED TO OPEN DIFFERENT APPLICATIONS FOR THIS, WHICH WASTES TIME.

SOLUTION STATEMENT

CLUSTERFIT ELIMINATES THE NEED FOR THE USER TO MOVE TO A CALENDAR TO PLAN HIS SCHEDULE BY INTEGRATING ALL CALENDARS ON HIS PHONE WITH THE APPLICATION AND ALLOWING HIM TO SCHEDULE HIS SESSIONS WITHIN THE APPLICATION. CLUSTERFIT ALSO LINKS TO ALL THE FITNESS DEVICES A USER HAS AND PRESENTS COLLATED INFORMATION IN A SINGLE PLACE, ALLOWING HIM TO ANALYZE HIS FITNESS DATA IN A MORE ORGANIZED MANNER. IN CONCLUSION, CLUSTERFIT PACKS THE POWER OF MULTIPLE APPS IN ONE AND PHENOMENALLY INCREASES THE USER'S PRODUCTIVITY AND HELPS HIM STAY HIGHLY ORGANIZED.

PERSONAS



ALICIA D'SOUZA

Age: 21 Location: Cambridge, Massachusetts, USA

"I need an app where I can constantly gauge my progress and work on the received feedback to improve."

DESCRIPTION

Alicia is a senior at Massachusetts Institute of Technology. She has always been very serious about her fitness as she wants to pursue Track and Field in the future, however she is frustrated checking different applications to check her progress for different track and field events. (Example: Nike Adapt to track steps, Galaxy Wear App to time laps) This also prevents her from being able to get an analysis for each event/sport together in an organized manner, as it forces her to open different applications for her analysis.

OCCUPATION

Student at Massachusetts Institute of Technology

NEEDS AND DESIRES

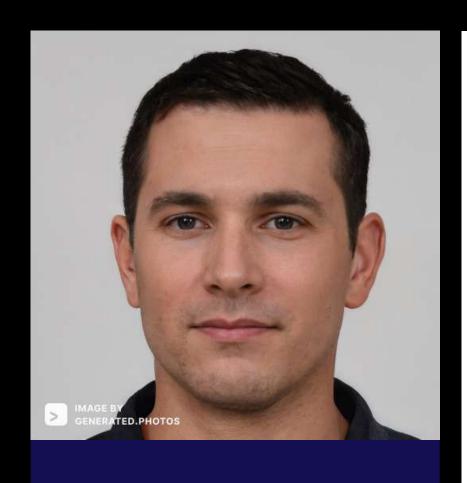
- 1. Needs to be able to view her progress efficiently
- 2. Needs to use a single application for planning and reviewing her fitness activities

FRUSTRATIONS

- 1. Needs to open different applications to track different sports.
- 2. Cannot view her analysis for different sports in an organized manner.
- 3. She wastes time trying to collate analytical data from different applications.

GOALS

- 1. Wants to get better at Track and Field
- 2. Wants to use an efficient application for all her fitness needs.
- 3. Wants to save time looking at different applications.



DESCRIPTION

John has been working as a software engineer at Microsoft Redmond for four years. He has always been a hard-working and goal-oriented person throughout his life. In his general daily routine, he doesn't get time to work on his physique and is only busy with his professional work. Due to this, he gets frustrated not being able to make time for exercise and other fitness activities and is wary about how it will affect his health

FRUSTRATIONS

- 1. Unable to make time for exercise and other fitness activities due to his hectic schedule.
- 2. Fearful that this may adversely affect his health.

JOHN CLINTON

Age: 36 Location: Redmond, Washington, USA

"I want to draft my schedule in a way that it incorporates time for physical activities daily."

OCCUPATION

Works as a Software Engineer at Microsoft Redomond

NEEDS AND DESIRES

- 1. Needs to manage his time efficiently so he can work on his physique
- 2. Needs a tracking feature that reminds him to work out.

GOALS

- 1. Wants to maintain a healthy and fit lifestyle.
- 2. Wants to follow a balanced schedule prioritizing both his health and his work

SCENARIOS

INTRODUCTION

Alicia is a 21-year-old student studying at the Massachusetts Institute of Technology. She has been serious about pursuing a career in Track and Field since she was a kid. Being highly committed to achieving her goal of making it as a professional athlete, Alicia practices and tracks her exercise daily. She has to open different applications for doing the same, and she feels highly frustrated because of this.

PROBLEMS FACED

Not only does she have to open multiple applications to view her performance after the workout, but when she sits down later to analyse her performance, she has to go through the same process of switching through apps all over again. This adds to her frustration. This led to her wasting time trying to collate and make sense of analytical data from different fitness applications. For example, she had to use the Nike Adapt application, which was connected to her Nike Smart Shoes, to track her steps, but the Galaxy Watch application had to check the timing for each lap around the field.

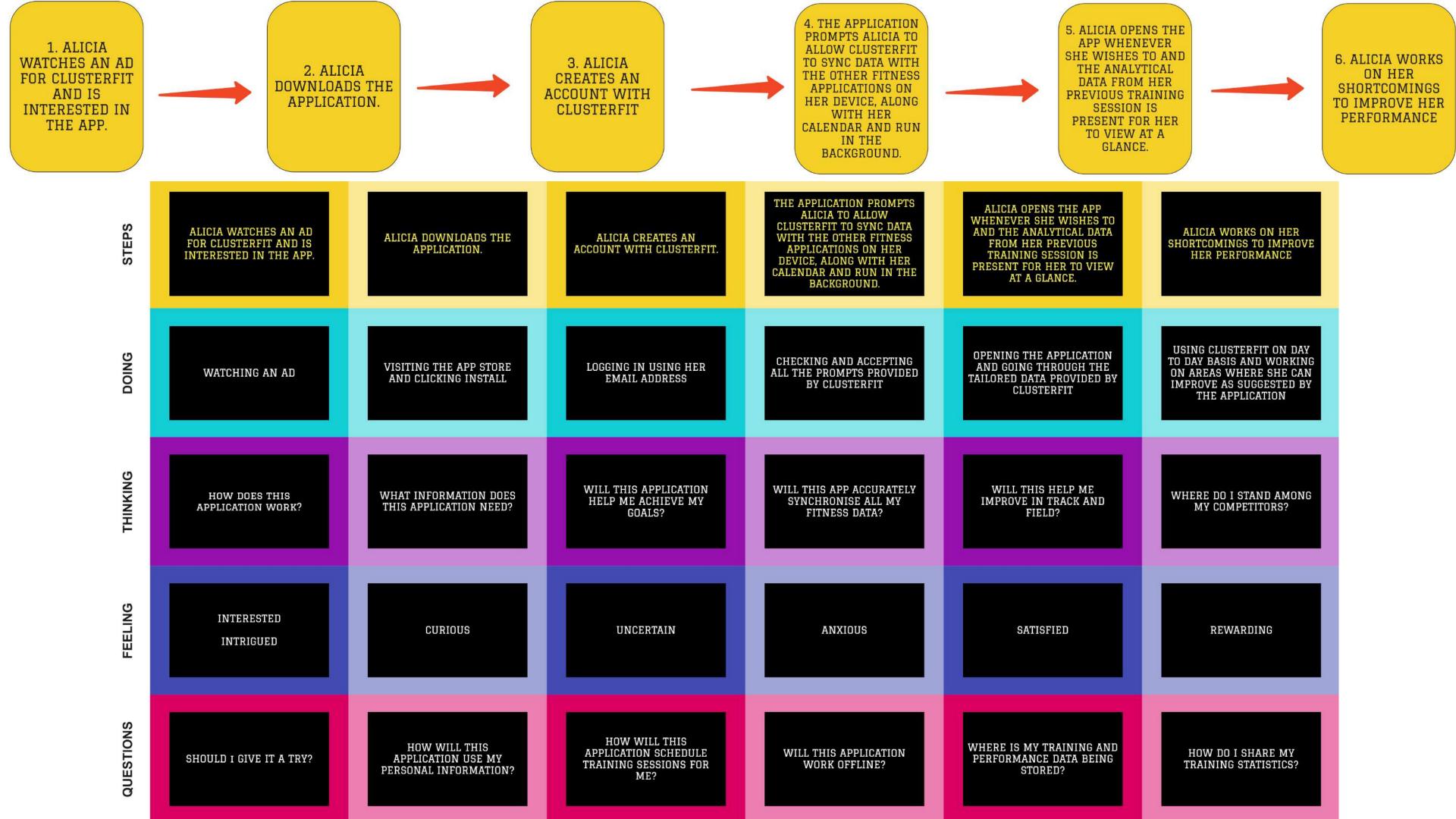
COMES ACROSS CLUSTERFIT

She then came across ClusterFit - an application that collates data from all other fitness applications and presents it in one place. The app shows all her fitness data in an organised manner and also has an inbuilt calendar that allows her to plan her future workouts right from the app. This helps her manage her time much more efficiently. It can also be synchronised with different fitness wearables.

HOW IT HELPED

Moreover, the app can be used offline, which does not prevent her from working out in places with poor connectivity. Finally, when the device connects to the internet, the data is uploaded to a secure cloud database allowing her to access the same workout data on all the devices (such as phones, tablets, laptops) that she is logged into.

Alicia is now making a very noticeable improvement in Track and Field and also saving time thanks to the application being efficient, preventing her from having to switch between different fitness apps to view and analyse her data.



AFFINITY DIAGRAM

FEATURES

CONNECTIVITY

Easy and convenient connection of the app with smart devices like smart watches.

can be used in remote locations.

Appropriate Approp

Gather data from different fitness apps

App asks questions upon

signup such as number of

busy hours per week, daily

calorie intake etc. and user

interface is chosen from a

set of pre-designed

nterfaces keeping in mind

possible answers to these

questions.

App helps in maximizing your productivity An app that helps you to live a healthier and happier life d Ability to add friends and share data App shows previous exercise records User can set goals he wishes to achieve after the workout.

Should contain a leaderboard

n a Calendar oard integration. Helps in making schedue for a day

Schedules your workout sessions for you based on your calendar

Concise and accurate analysis of the workout.

Connect with your social media friends & compare your progress with your friends

Reminds and motivates you to work out every day App speaks out instructions in case of activities/exercises in which user is unable to use the app.

USER INTERFACE

should contain a calorie tracker

User friendly interface Doesn't contain irrelevant ads

Interface must be customizable

Suggestions should be made depending on the body type of the user

App will give timely reminders and notifications for fitness activities tailored according to the schedule of the user.

SUGGESTIONS RECEIVED FROM

DATA GATHERING

initial tutorial must be given to the user to make him aware of how the app works

Requires less system memory and storage

Can be used without any time constraints

Should not push out notifications irrelevant to the user must have a dashboard different user should be interface for minimal and different age not clustered groups with info

App should come without any glitches

Simple and convenient interface for users

user should be able to able to see the most important highlight of the workout at a glance. user should have the option to view more detalled info about the workout next to the workout

Ea Easy and

proc process

App should contain

image next to the

type of workout so

that user can see

basic information at

a glance.

sigr

simple

sign up

ACCESSIBILITY

sync data between different devices logged into the same account. Performance data stored on the cloud when device connects to the internet.

automatically synchronizes data from other fitness apps installed on the device once user has granted permission.

View data on multiple devices.

Accessible on multiple devices

STORYBOARD

INTERFACE TYPE

MOBILE GUI

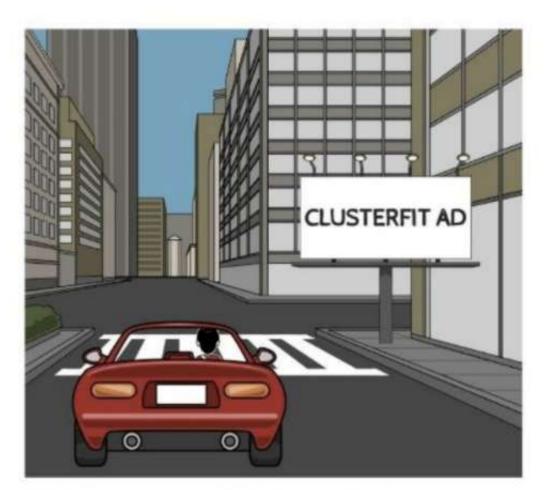
INTERACTION CONTEXT

ALICIA IS A 22 YEAR OLD UNIVERSITY STUDENT WHO WISHES TO PURSUE TRACK AND FIELD. SHE GETS FRUSTURATED USING TOO MANY APPS TO REVIEW HER WORKOUT DATA.

SHE COMES ACROSS AN APPLICATION CALLED CLUSTERFIT WHICH HELPS HER OVERCOME THIS PROBLEM BY ALLOWING HER TO VIEW ALL HER WORKOUT DATA CONVENIENTLY AT ONE PLACE



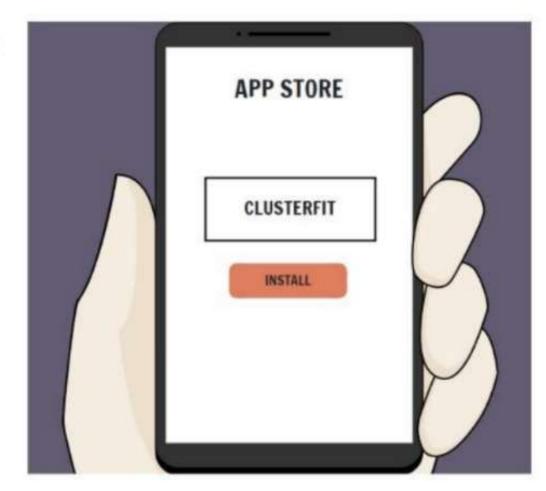
Alicia is frustrated of switching between apps to review workout data



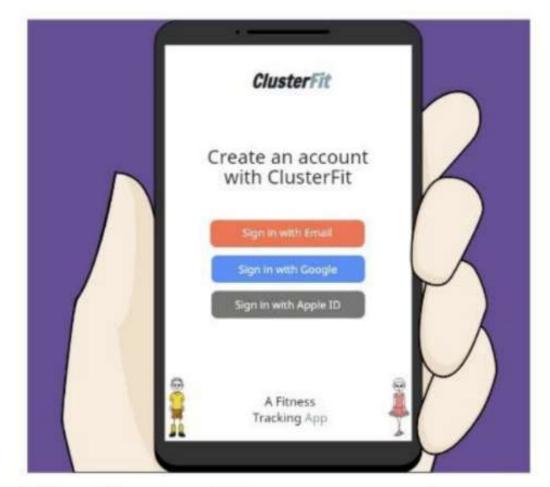
Alicia sees a billboard about a fitness app called ClusterFit on her way to the gym



Alicia reaches the gym to perform her daily workout.



She installs the ClusterFit app from app store.

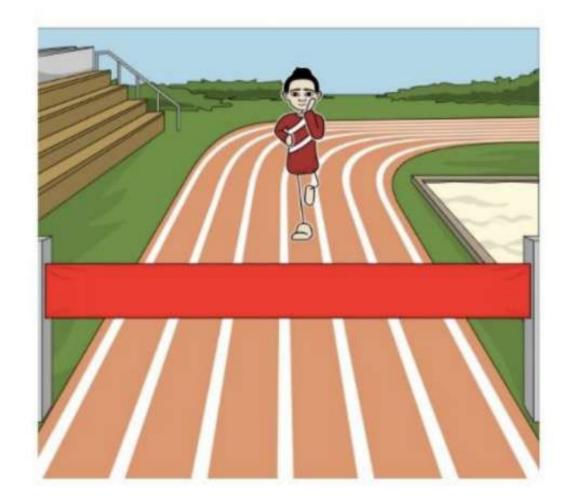


5

The ClusterFit app prompts Alicia to create an account.

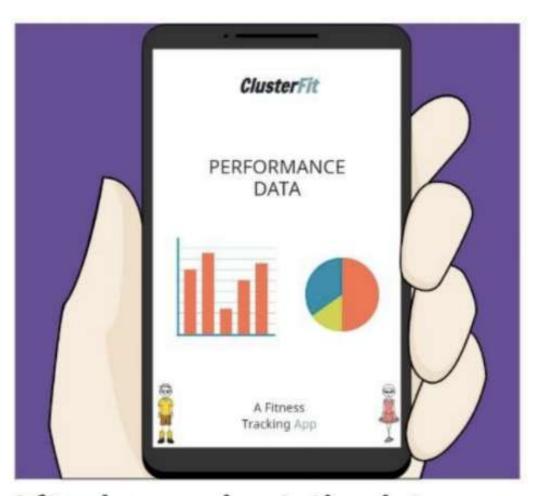


She then connects the application to her smart fitness devices

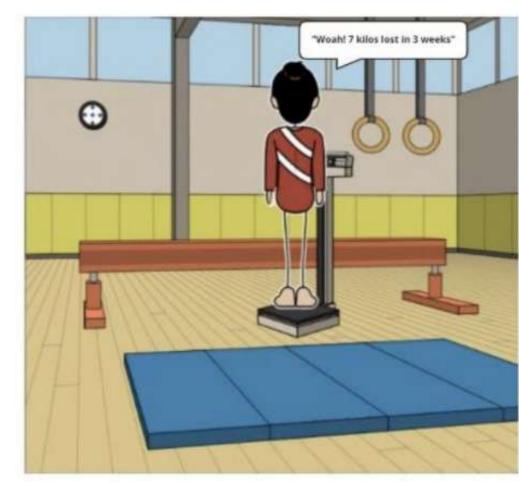


8

Alicia continues with her training session as usual



After her workout, the data collected by the smart devices is synced to ClusterFit, and the application shows performance data for all her exercises at the same place.

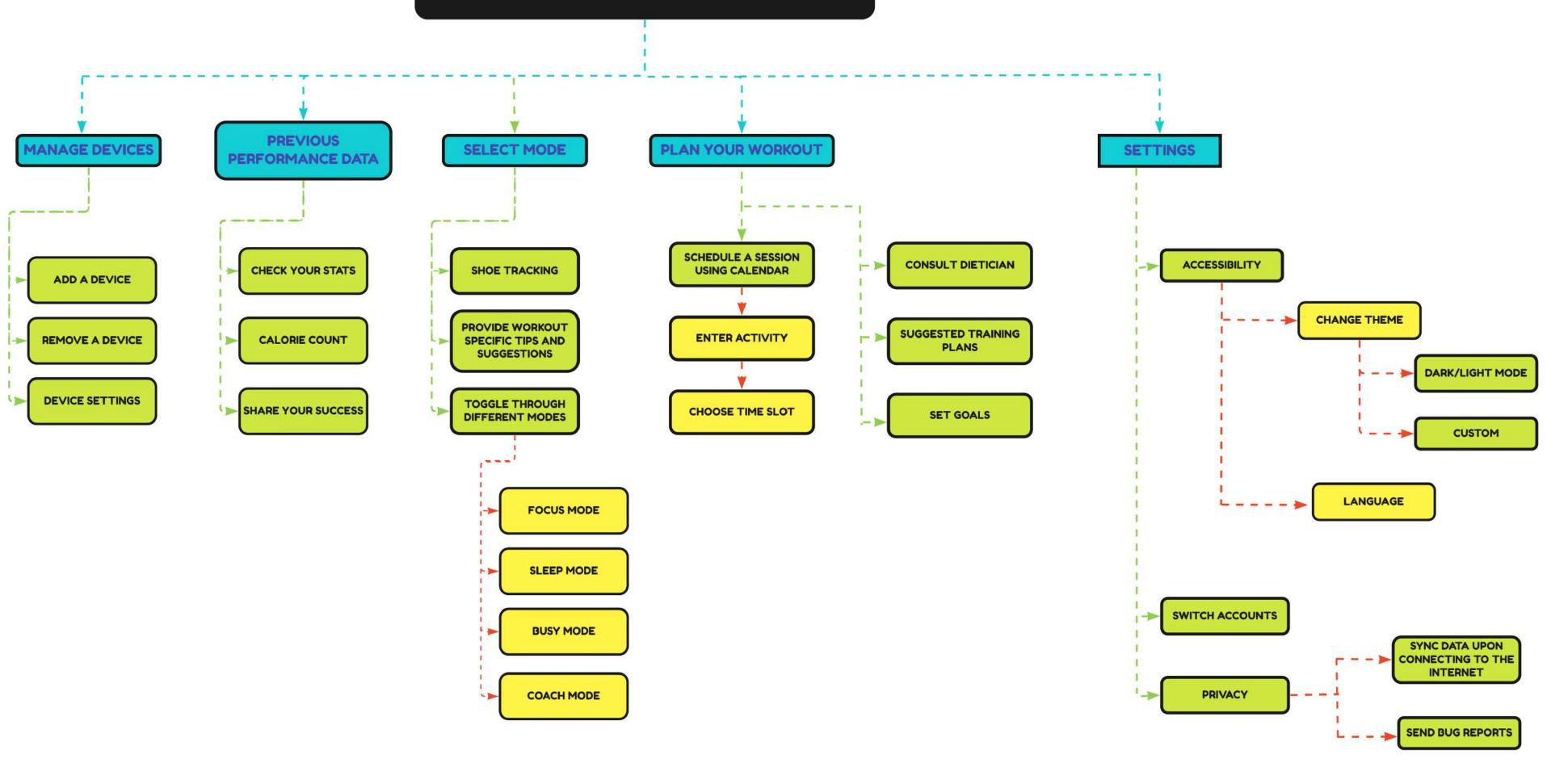


Alicia is able to track and analyze her workouts better. She feels happier than before and sees a significant difference in her workout performance and physical health.

INFORMATION ARCHITECTURE

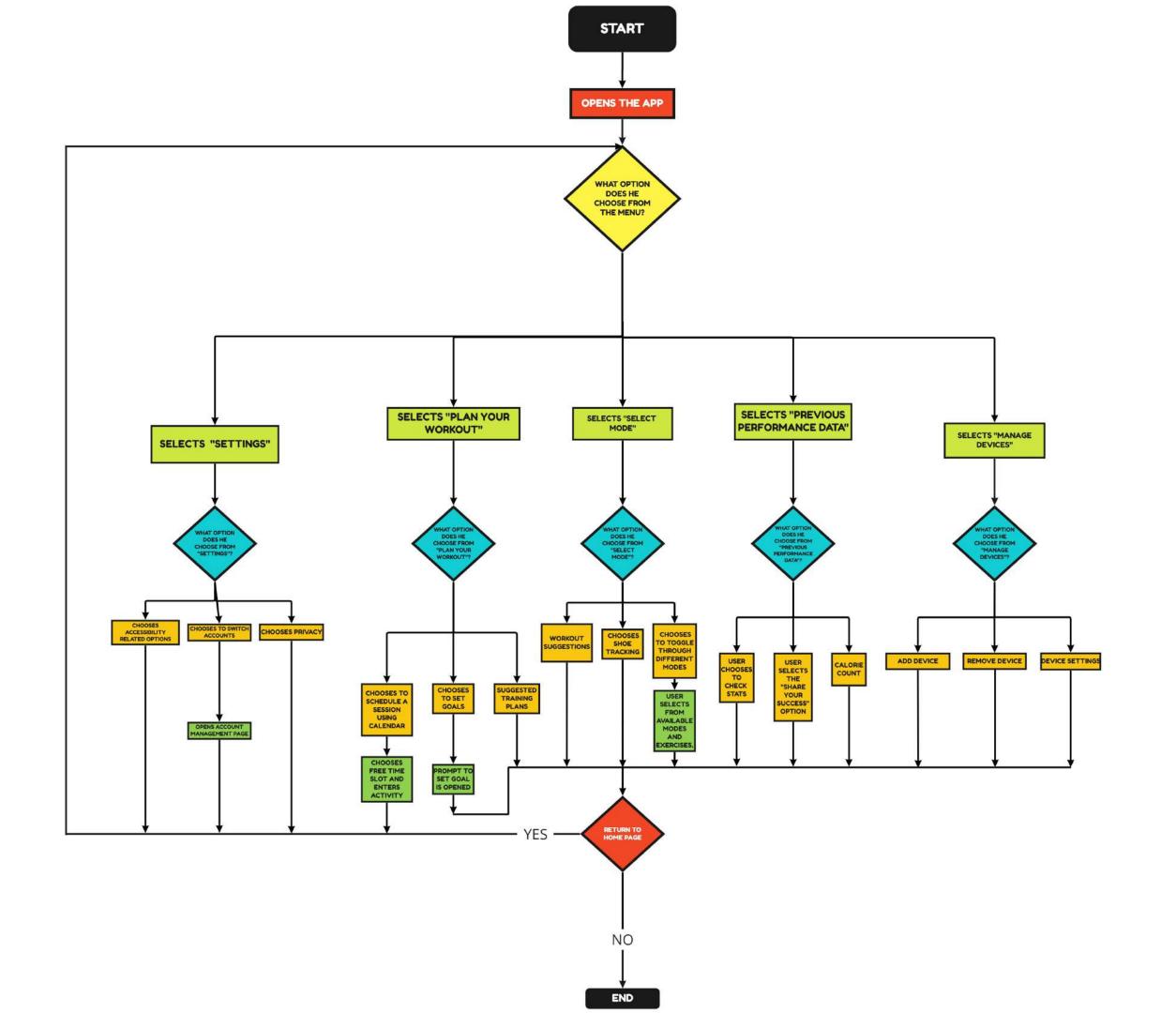
SYSTEM DESIGN

CLUSTERFIT APPLICATION

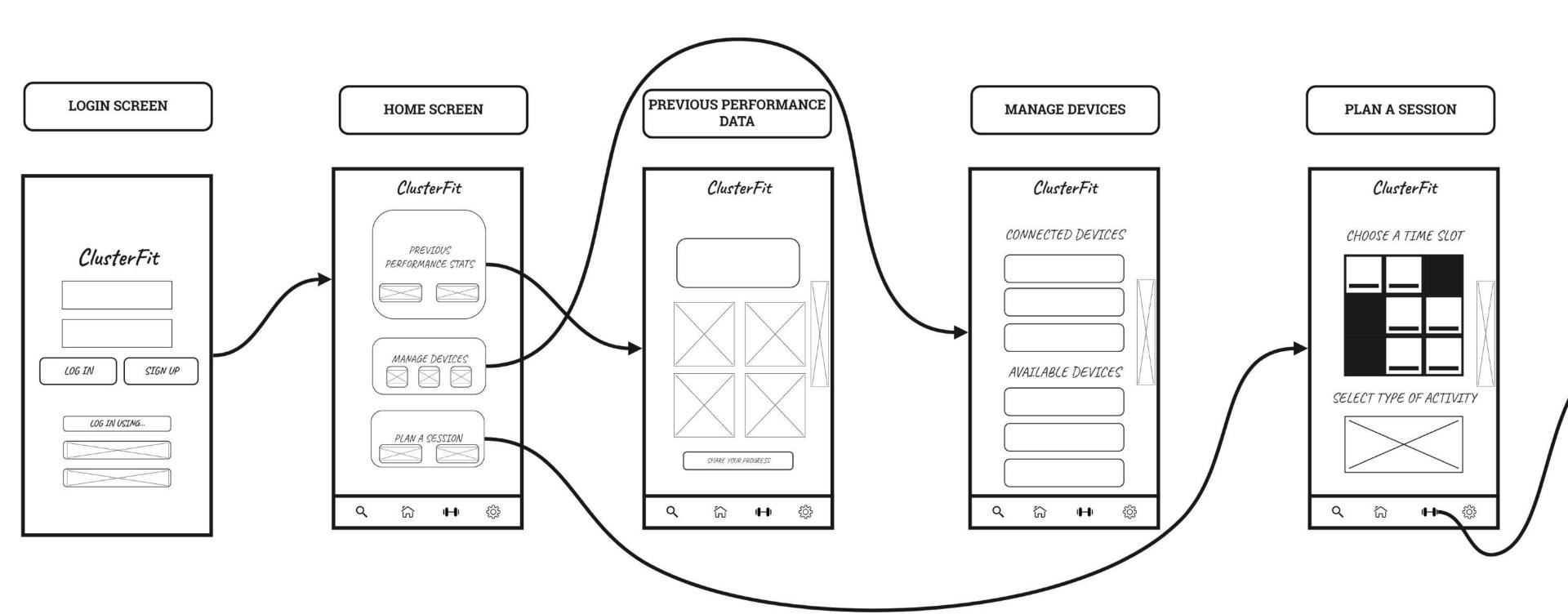


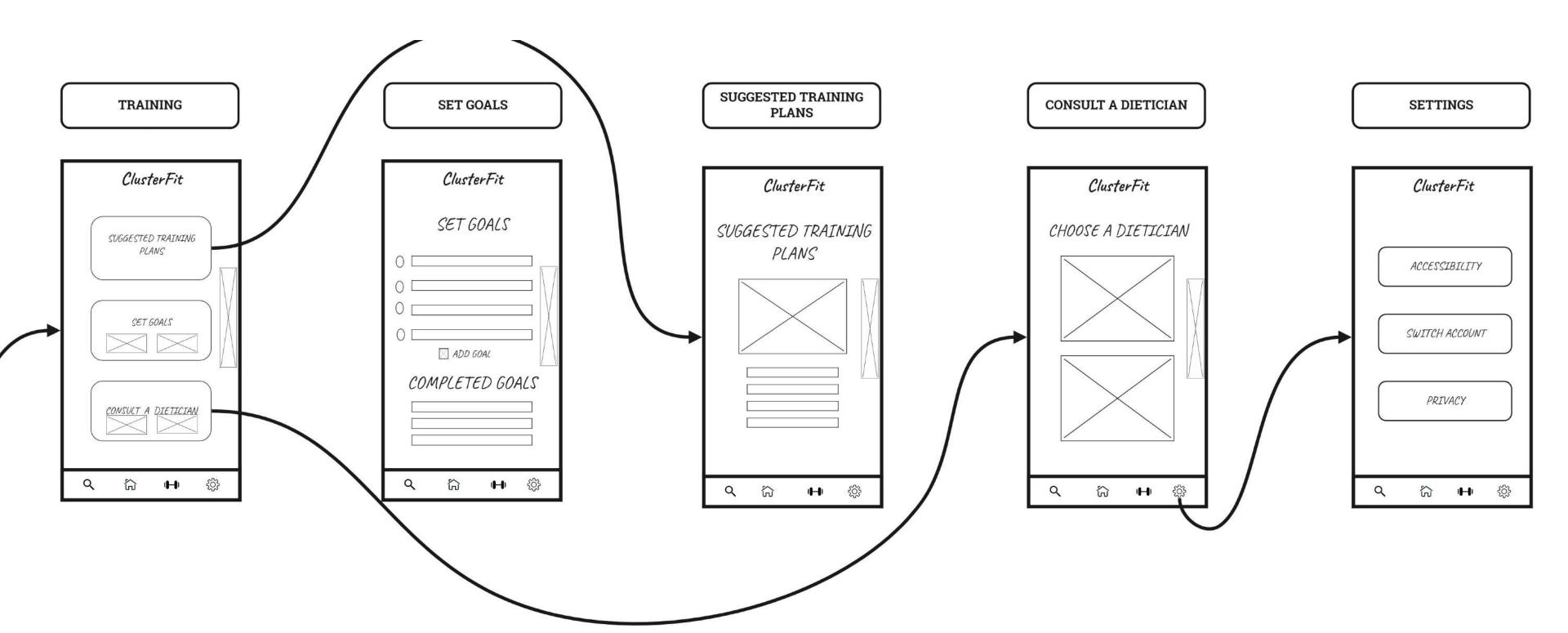
INFORMATION ARCHITECTURE

USER TASK FLOW

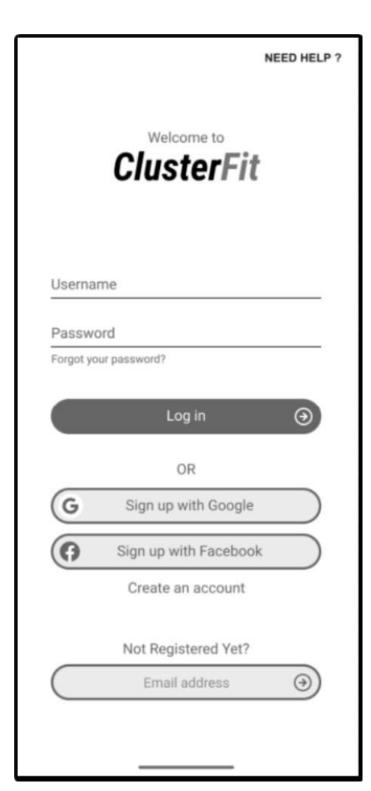


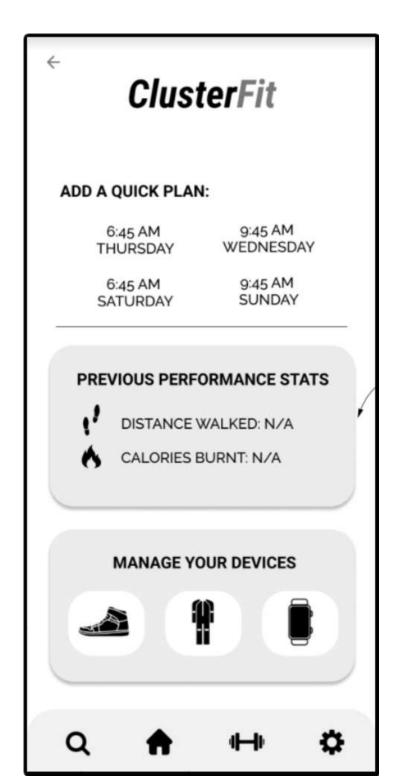
LOW FIDELITY PROTOTYPE

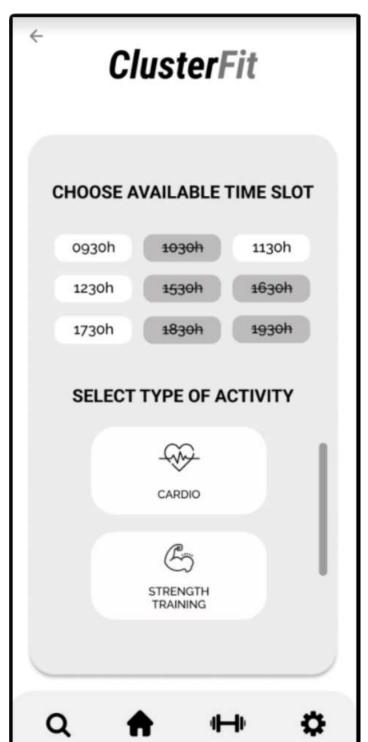


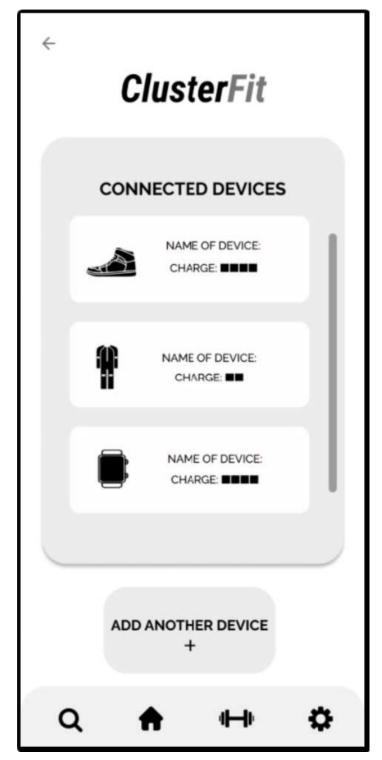


MEDIUM FIDELITY PROTOTYPE



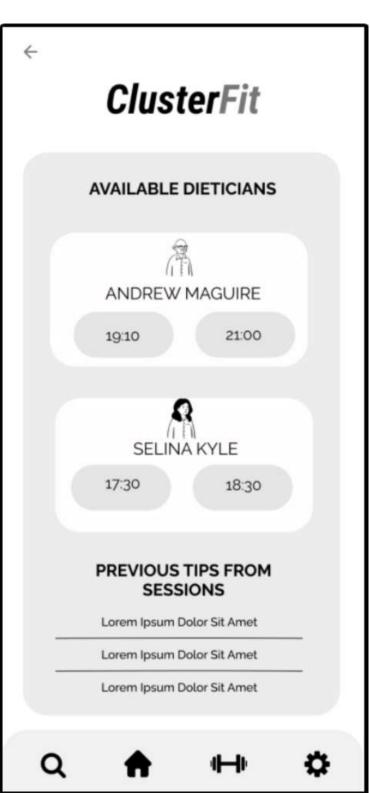


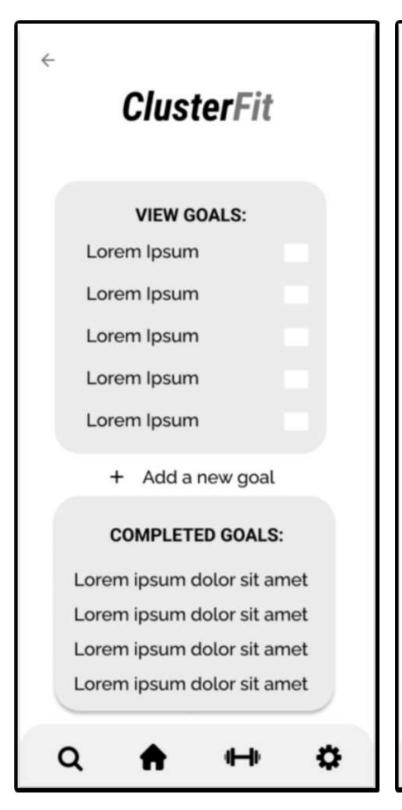


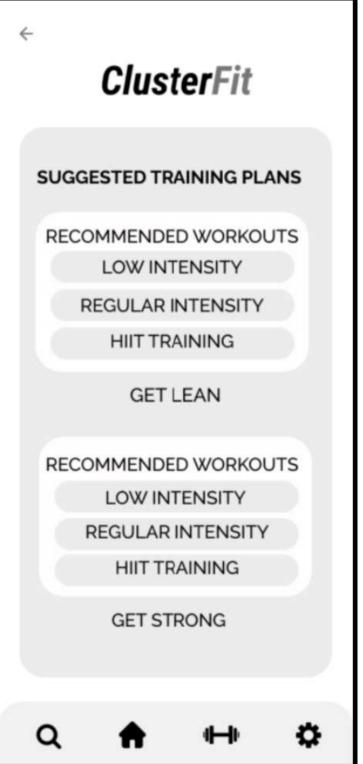


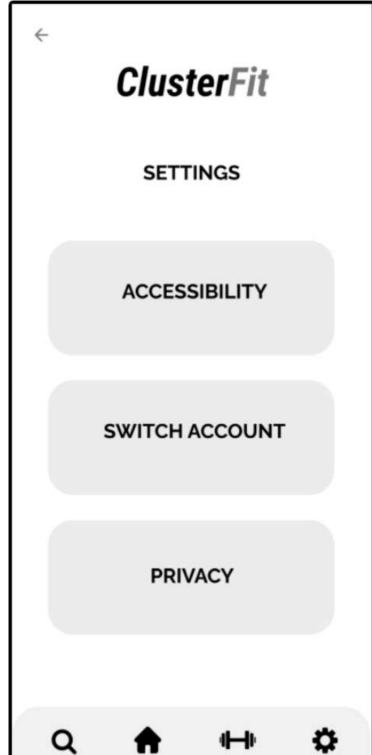




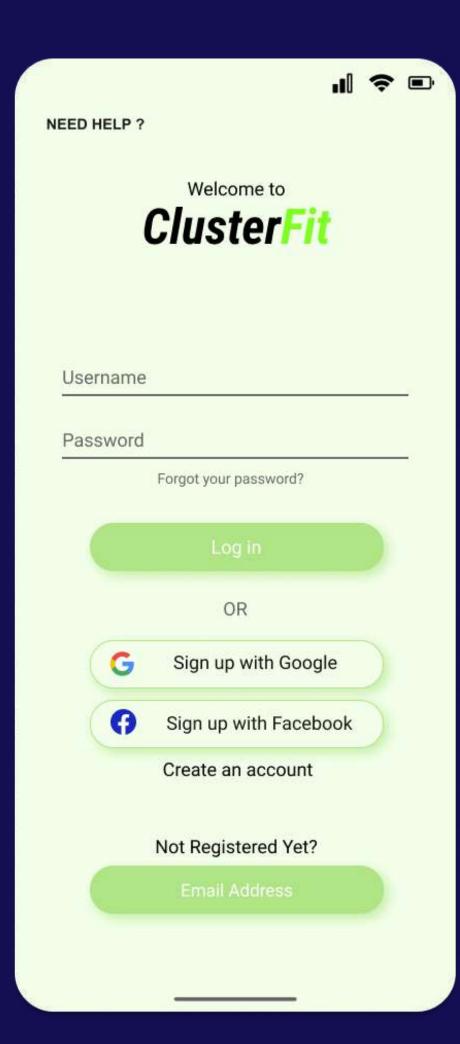


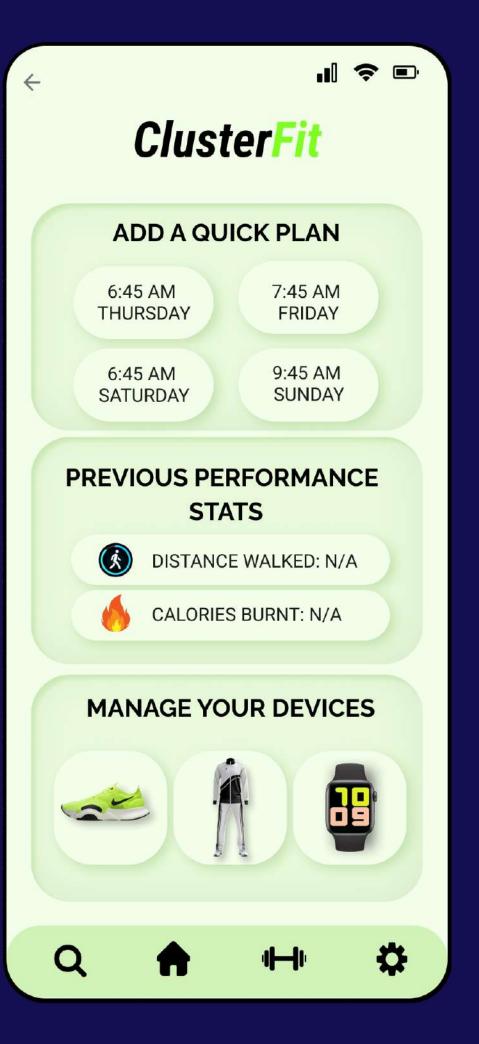




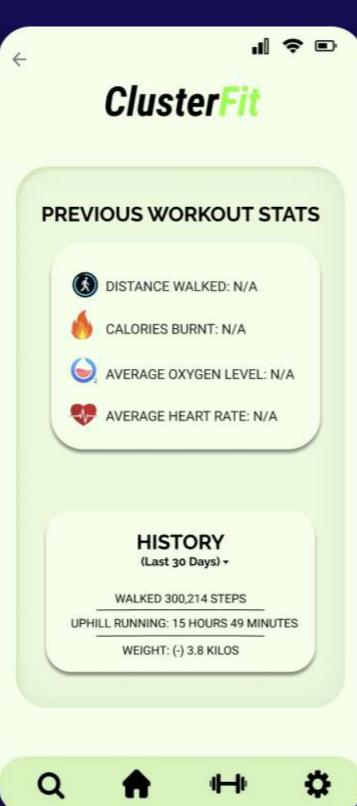


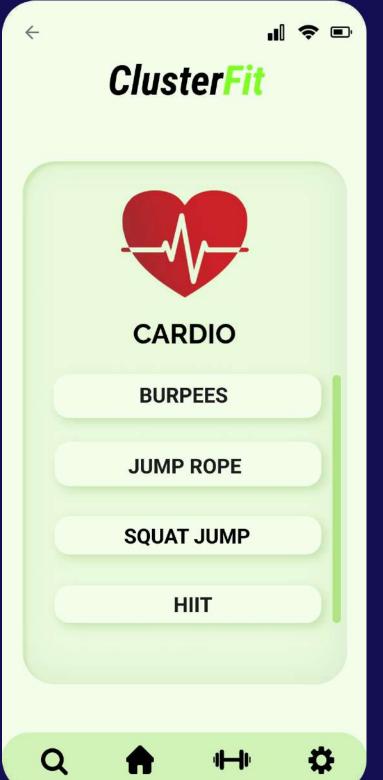
HIGH FIDELITY PROTOTYPE

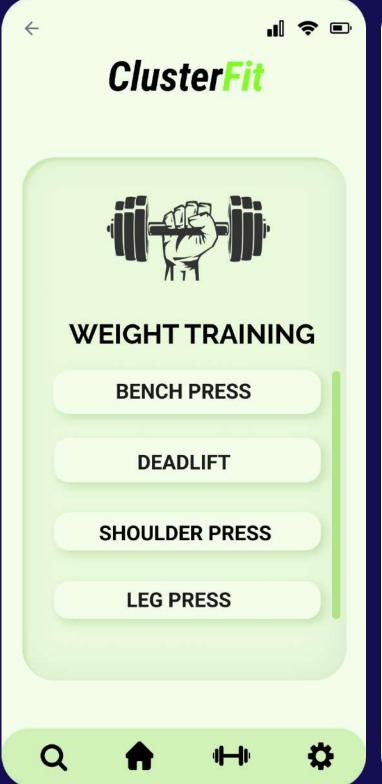


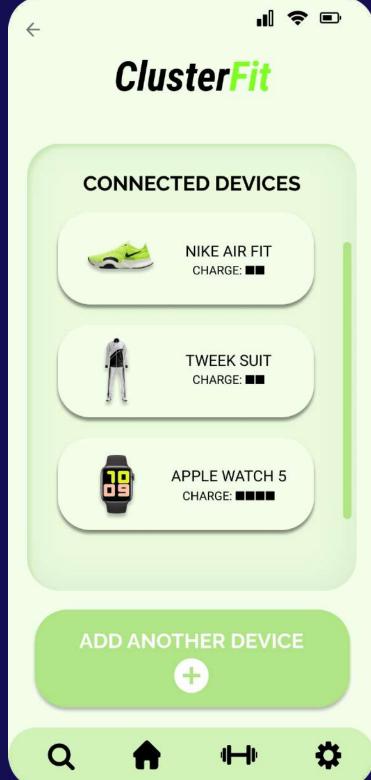






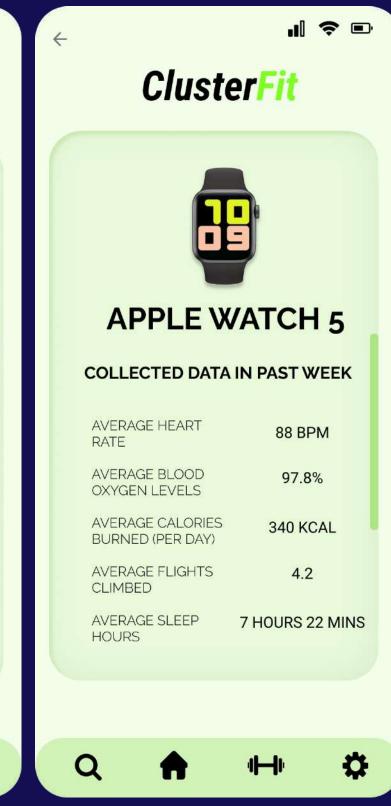






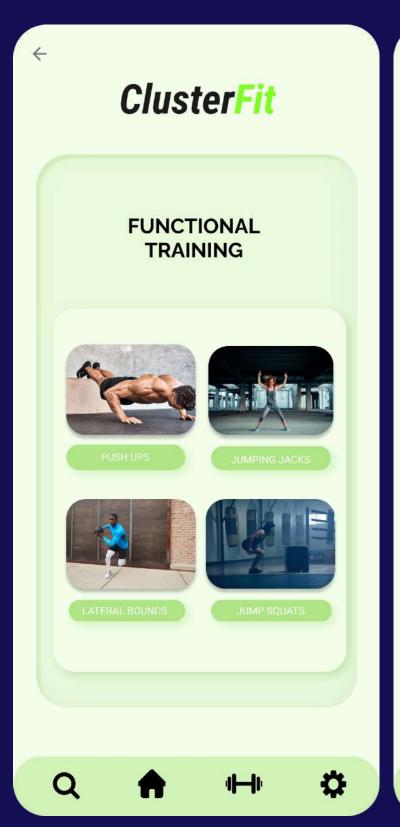






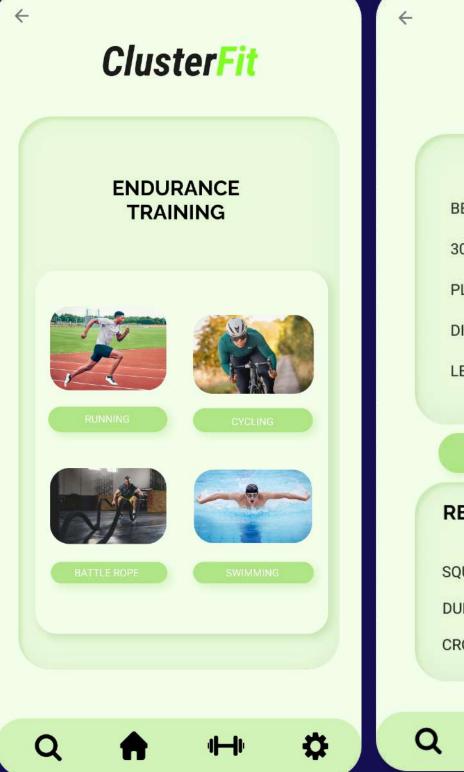


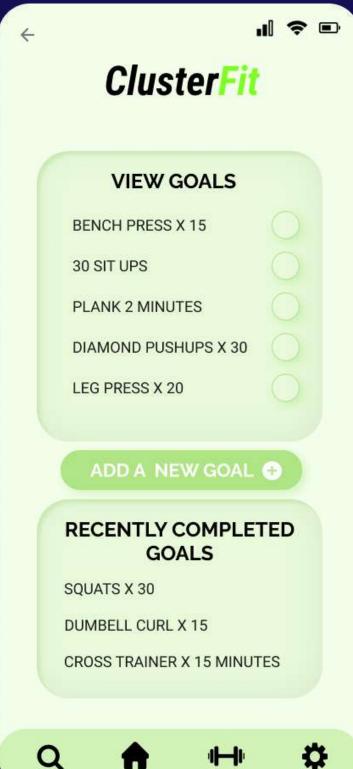


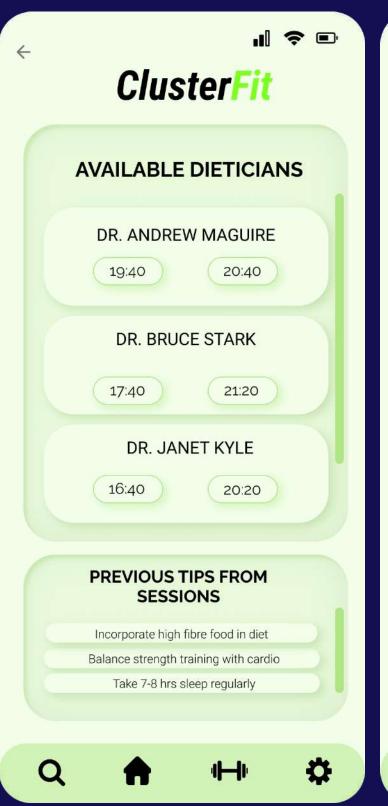




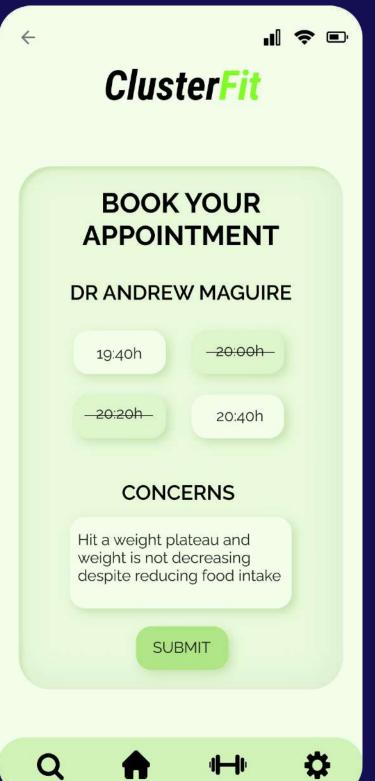




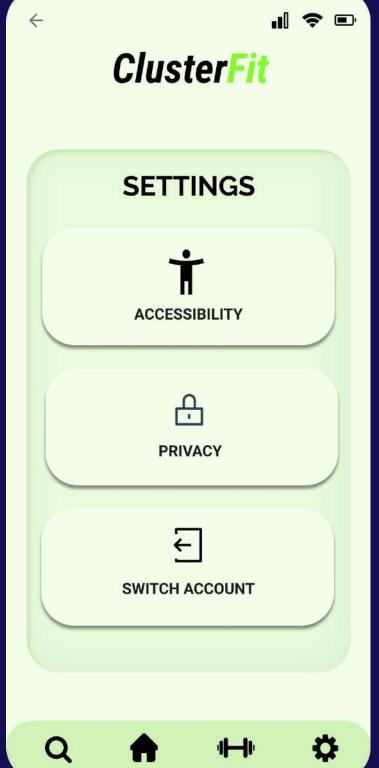




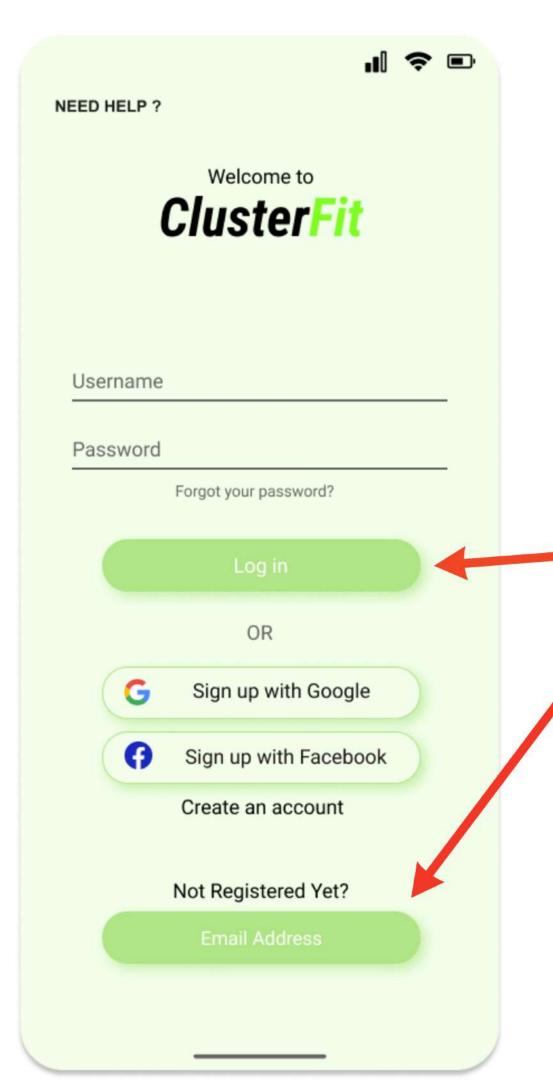






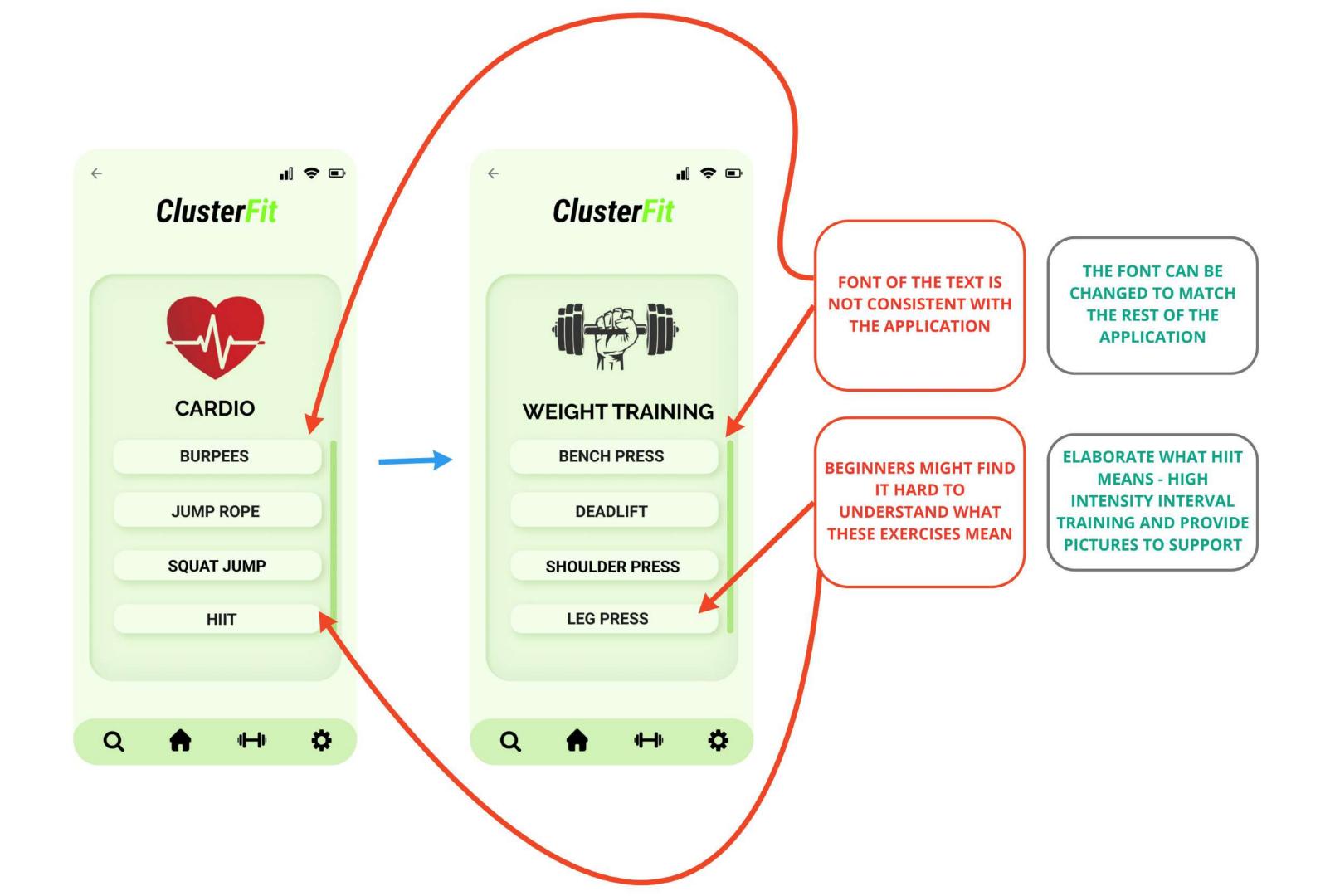


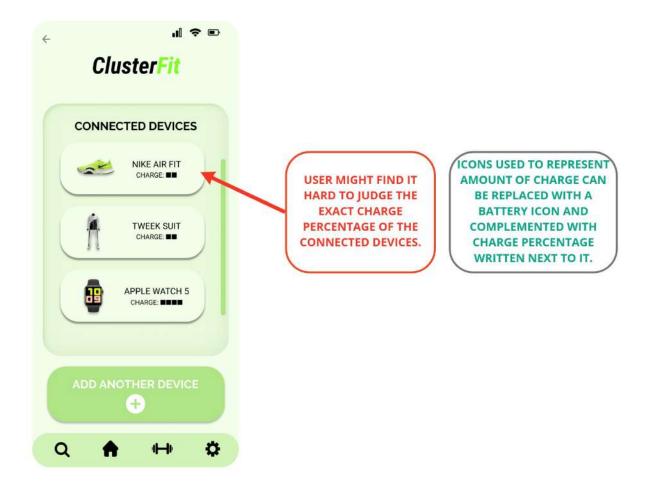
PROTOTYPE EVALUATION

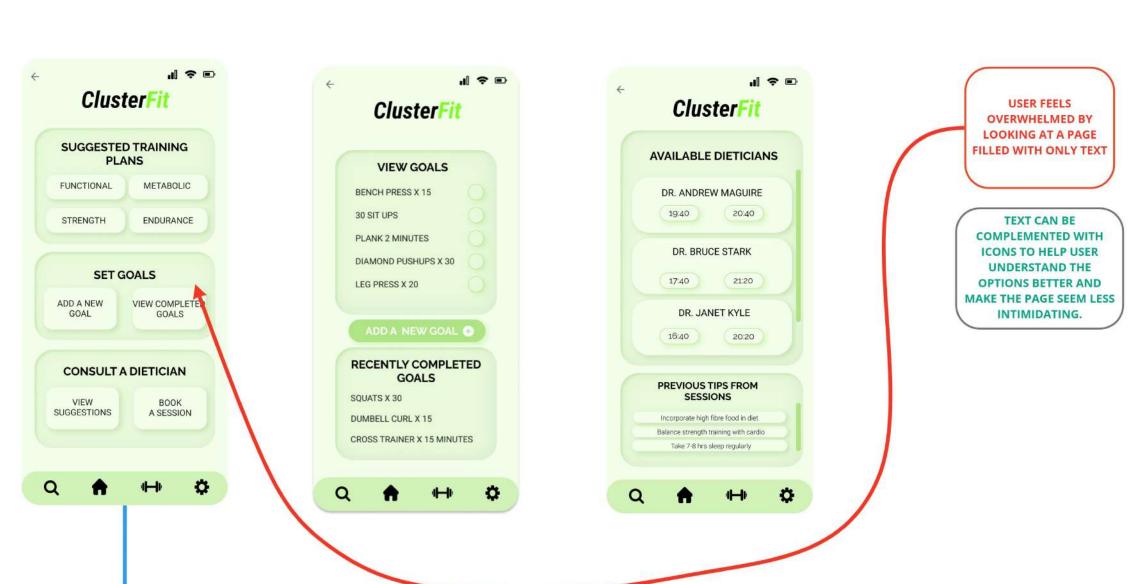


THE CONTRAST OF THE TEXT IS LOW, MAKING IT HARDER TO READ

THE WHITE TEXT CAN
CHANGED TO BLACK TO
INCREASE CONTRAST

















THIS TEXT IS HARD TO
READ DUE TO A LACK OF
CONTRAST

THE WHITE TEXT CAN BE
REPLACED WITH BLACK
TEXT TO INCREASE
READABILITY

